

C A T A N I A SUNSPOT GROUP REPORTS Jan 1978 - Dec 1987

Format for Catania reports when cast into form similar to Greenwich records.

Column Fmt Description

1- 4	I4	YEAR of observation
5- 6	I2	MONTH of observation
7- 8	I2	DAY of observation
9	A1	
10-13	I4	UNIVERSAL TIME of observation
14-17	A4	
18-20	I3	NUMBER OF PORES in group
21	A1	
22	A1	Zurich sunspot GROUP CLASSIFICATION
23	I1	PENUMBRA TYPE of largest spot in group
24	A1	RELATIVE IMPORTANCE of spot leader and DENSITY of spot population
25	A1	
26	A1	blank or - for west or east longitude
27-28	I2	group's HELIOGRAPHIC LONGITUDE from central meridian
29	A1	
30	A1	blank or - for west or east longitude
31-32	I2	group's HELIOGRAPHIC LONGITUDE from central meridian at 1200 UT
33	A1	
34-38	I5	PROJECTED TOTAL AREA in millionths of solar disk
39-45	A7	
46-50	I5	CORRECTED TOTAL AREA in millionths of solar hemisphere
51-55	A5	
56-58	I3	group's POLAR ANGLE (degrees east of heliocentric north pole)
59	A1	
60-62	I3	group's HELIOGRAPHIC LONGITUDE from Carrington meridian
63	A1	
64	A1	blank or - for north or south latitude
65-66	I2	group's HELIOGRAPHIC LATITUDE
67	A1	
68-70	I3	NUMBER OF SPOTS in group
71	A1	
72	I1	IMAGE SHARPNESS: 1=very good,...,5=very poor
73	I1	IMAGE STABILITY: 1=very good,...,5=very poor
74-77	A4	OBSERVATORY
78	A1	
79-80	I2	DATA CODE: 11 for sunspot region report

Example:

19980801	0714	74	0	J2X	60	63	381	435	64	61	-23	1	22CATA	11
19980801	0714	76	2	J3X	50	53	413	358	55	51	32	1	22CATA	11
19980801	0714	85	2	D24	-5	-1	95	54	28	356	-22	3	22CATA	11
19980801	0714	79	0	J2X	-13	-9	127	69	24	348	26	1	22CATA	11
19980801	0714	82	0	J2X	-44	-40	63	52	53	317	-27	1	22CATA	11
19980801	0714	84	0	J1X	-60	-56	21	21	61	301	16	1	22CATA	11
19980802	0700	74	0	J2X	76	79	127	300	78	64	-23	1	11CATA	11